

Title (en)
Process for the preparation of polyarylene sulfide

Title (de)
Verfahren zur Herstellung von Polyarylensulfid

Title (fr)
Procédé pour la préparation de polysulfure d'arylène

Publication
EP 0527055 B1 19971105 (EN)

Application
EP 92307197 A 19920806

Priority
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• JP 29385091 A 19911015

Abstract (en)
[origin: EP0527055A2] A novel process for preparing polyarylene sulfides is disclosed, which process comprises: providing at least one cyclic arylene sulfide oligomer of the formula <CHEM> wherein S represents a sulfur atom, groups Ar, which may be the same or different, represent each an arylene radical having 6 - 24 carbon atoms, group R, which may be the same or different, represent each a C1-C12 alkyl radical, or a C1 -C12 alkoxy radical, or a primary or secondary amino group, n is an integer of from 2 to 50, and m is an integer of from 0 to 15, and heating said cyclic oligomer I in the presence of a ring opening polymerization catalyst so as to form polyarylene sulfide. The process produces polyarylene improved in chemical, physical and mechanical properties.

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IPC 8 full level
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CPC (source: EP US)
C08G 75/0204 (2013.01 - EP US); **C08G 75/025** (2013.01 - EP US); **C08G 75/06** (2013.01 - EP US)

Citation (examination)
• EP 0413257 A2 19910220 - DOW CHEMICAL CO [US]
• EP 0520370 A2 19921230 - PHILLIPS PETROLEUM CO [US]

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CN102471490A; EP2821427A4; US5688908A; CN106459413A; US2016137807A1; US10000620B2; US8680230B2; EP0737705B1; EP1927615B1; EP1927615B2

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